

OCT 18 2001

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

Attorney Docket No.: A1-37US4 Application No.: 09/751,658

Applicant: ROLFE C. ANDERSON et al.

Filing Date: December 31, 2000 Group:

Reference Designation U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
WAS	4,426,451	01/17/1984	Columbus			
	4,490,216	12/1984	McConnell			
	4,591,550	5/1986	Hafeman et al			
	4,676,274	6/1987	Brown			
	4,704,353	11/1987	Humphries et al			
	4,758,786	7/1988	Hafeman			
	4,789,628	12/1988	Nayak			
	4,790,640	12/1988	Nason			
	4,849,330	7/1989	Humphries et al			
	4,883,579	11/1989	Humphries et al			
	4,911,794	3/1990	Parce et al			
	4,915,812	4/1990	Parce et al			
	4,946,795	7/7/1990	Gibbons et al			
	4,963,815	10/1990	Hafeman			
	5,126,022	06/30/1992	Soane et al.			
	5,143,854	09/01/1992	Pirrung et al.			
	5,164,319	11/1992	Hafeman et al			
	5,171,132	12/15/1992	Miyazaki et al.			
	5,188,963	02/23/1993	Stapleton			
	5,229,297	7/1993	Schnipelsky et al			
	5,230,866	07/27/1993	Shartle et al.			
	5,252,294	10/12/1993	Kroy et al.			
	5,271,724	12/21/1993	van Lintel			
	5,277,556	01/11/1994	van Lintel			
	5,281,516	01/25/1994	Stapleton et al.			
	5,296,375	03/22/1994	Kricka et al.			
	5,304,487	04/19/1994	Wilding et al.			
	5,346,672	09/13/1994	Stapleton et al.			
	5,375,979	12/27/1994	Trah			
	5,382,511	01/17/1995	Stapleton			
	5,384,261	01/24/1995	Winkler et al.			
WAS	5,424,186	06/13/1995	Fodor et al.			

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U.S. PATENT DOCUMENTS. Continued

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
WHS	5,395,503	03/1995	Parce et al			
	5,436,129	07/25/1995	Stapleton			
	5,451,500	09/19/1995	Stapleton			
	5,486,335	01/23/1996	Wilding et al.			
	5,498,392	03/12/1996	Wilding et al.			
	5,500,188	03/1996	Hafeman et al			
	5,580,523	12/1996	Bard			
	5,587,128	12/1996	Wilding et al.			
	5,589,350	12/31/1996	Bochner et al.			
	5,653,939	08/1997	Hollis et al.			
	5,660,993	08/26/1997	Cathey et al.			
	5,700,637	12/23/1997	Southern			
	5,726,026	03/1998	Wilding et al			
	5,843,767	12/1998	Beattie			
	5,858,195	01/1999	Ramsey			
	5,863,801	01/1999	Southgate			
	5,876,918	03/1999	Wainwright et al			
	5,952,173	09/1999	Hansmann et al			
	5,976,336	11/1999	Dubrow et al.			
	6,001,229	12/1999	Ramsey			
	6,001,231	12/1999	Kopf-Sill			
	6,010,607	01/2000	Ramsey			
	6,010,608	01/2000	Ramsey			
	6,033,546	3/2000	Ramsey			
WHS	6,130,098	10/10/2000	Handique et al			

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
WHS	WO 90/15070	12/13/1990	PCT			
	WO 92/10092	06/25/1992	PCT			
	WO 93/09668	05/27/1993	PCT			
	WO 94/05414	03/17/1994	PCT			
	WO 98/52691	11/1998	PCT			
WHS	WO 94/03791	02/1994	PCT			

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FOREIGN PATENT DOCUMENTS. Continued					
	Document No.	Date	Country	Class	Sub-class
WAB	WO 90/04645	05/1990	PCT	—	—
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
WAB	Bart et al., "Microfabricated Electrohydrodynamic Pumps," <i>Sensors and Actuators</i> A21-23:193-197 (1990)				
	Effenhauser et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights," <i>Anal. Chem.</i> , 65:2637-2642 (1993)				
	Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <i>Science</i> , 251:767-777 (1991)				
	Ghandi, <i>VLSI Fabrication Principles</i> , 2 nd ed., John Wiley & Sons, Inc., Ch. 10, (1994)				
	Harrison et al., "Micromachining a Minaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip," <i>Science</i> , 261:895-897 (1993)				
	Horowitz and Hill, <i>The Art of Electronics</i> , 2d. ed., Cambridge University Press, Ch. 15, pp. 987-1041 (1994)				
	Jacobsen et al., "High-speed Separations on a Microchip," <i>Anal. Chem.</i> , 66:1114-1118 (1994)				
	Luckey et al., "A model for the mobility of single-stranded DNA in capillary gel electrophoresis," <i>Electrophoresis</i> , 14:492-501 (1993)				
	Manz et al., "Planar chips technology for miniaturization and integration of separation techniques into monitoring systems: Capillary electrophoresis on a chip," <i>J. Chromatog.</i> , 593:253-258 (1992)				
	Pease et al., "Light-generated oligonucleotide arrays for rapid DNA sequence analysis," <i>PNAS</i> , 91:5022-5026 (1994)				
	Richter et al., "An Electrohydrodynamic Micropump," 3 rd IEEE Workshop on Micro Electro Mechanical Systems, February 12-14, 1990, Napa Valley, pp. 99-104				
	Richter et al., "A micromachined electrohydrodynamic (EHD) pump," <i>Sensors and Actuators</i> , 29:159-165 (1991)				
	Woolley and Mathies, "Ultra high-speed DNA fragment separations using microfabricated capillary array electrophoresis chips," <i>PNAS</i> , 91:11348-11352 (1994)				
	<i>Physical Acoustics, Principles and Methods</i> , Vol. 2, Part B, Mason, ed., Academic Press (1965)				
	<i>Piezoelectric Technology, Data for Engineers</i> , Clevite Corp., pp. 1-44. No date provided.				
	Anderson et al., "Microfluidic biochemical analysis system," <i>Technical Digest of Transducers '97, International Conference on Solid-State Sensors and Actuators</i> . Chicago, p. 477-480 (1997)				
	Anderson et al., "Microfluidic Genetic Analysis Systems: Improvements and Methods," <i>Solid-State Sensor and Actuator Workshop</i> , (Jun. 7-11, 1998) 4 pages total				
	Anderson et al., "Microfluidic Genetic Analysis Systems: Improvements and Methods," <i>Abstract for 1998 Solid-State Sensor and Actuator Workshop</i> , (Jun. 7-11, 1998) 4 pages total				
	Anderson et al., <i>Technical Digest of Transducers '97, International Conference on Solid-State Sensors and Actuators</i> , Chicago, p. 1311-1314 (1997).				
	Bousse et al., "Biosensors for Detection of Enzymes Immobilized in Microvolume Reaction Chambers," <i>Sensors and Actuators</i> , B1:555-560 (1990)				
	Effenhauser et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights," <i>Anal. Chem.</i> , 65:2637-2642 (1993)				
	Harrison et al., "Immunoassay Systems on Chip," <i>Technical Digest of 1996 Solid-State Sensor and Actuator Workshop</i> , Hilton Head Island, South Carolina, p. 5 (1996)				
WAB	Li et al., "Transport, manipulation, and reaction of biological cells on-chip using electrokinetic effects," <i>Anal. Chem.</i> , 69(8): 1564-1568 (1997)				

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.). Continued			
WAB	Man et al., "Microfluidic Plastic Capillaries on Silicon Substrates: A New Inexpensive Technology for Bioanalysis Chips," <i>Proceedings IEEE Tenth Annual International Workshop on Mechanical Systems</i> , Nagoya, Japan, (Jan. 26-30, 1997) pp. 311-316		
✓	Nyborg, "Acoustical streaming," <i>Physical Acoustics, Principles and Methods</i> , vol. 2, Part B, Mason, ed., Academic Press, Chapt. 11, pp. 265-333, (1965)		
✓	Owicki et al., "The Light-Addressable Potentiometric Sensor: Principles and Biological Applications," <i>Annu. Rev. Biophys. Biomol. Struct.</i> 23:87-113 (1994)		
WAB	Wooley et al., "Functional integration of PCR amplification and capillary electrophoresis in a microfabricated DNA analysis device," <i>Anal. Chem.</i> , vol. 68, No. 23, pp. 4081-4086 (1996)		

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